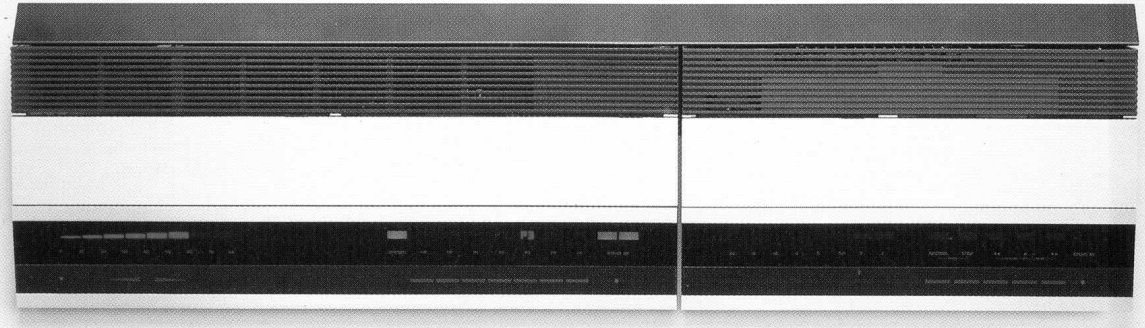
BANG & OLUFSEN

BEOGRAM 3000



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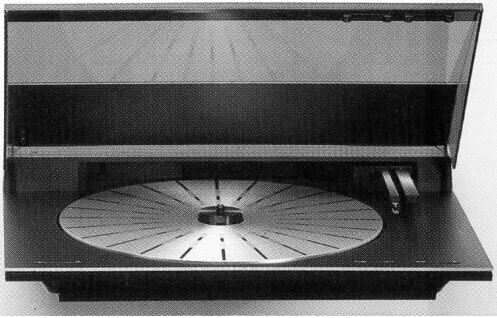

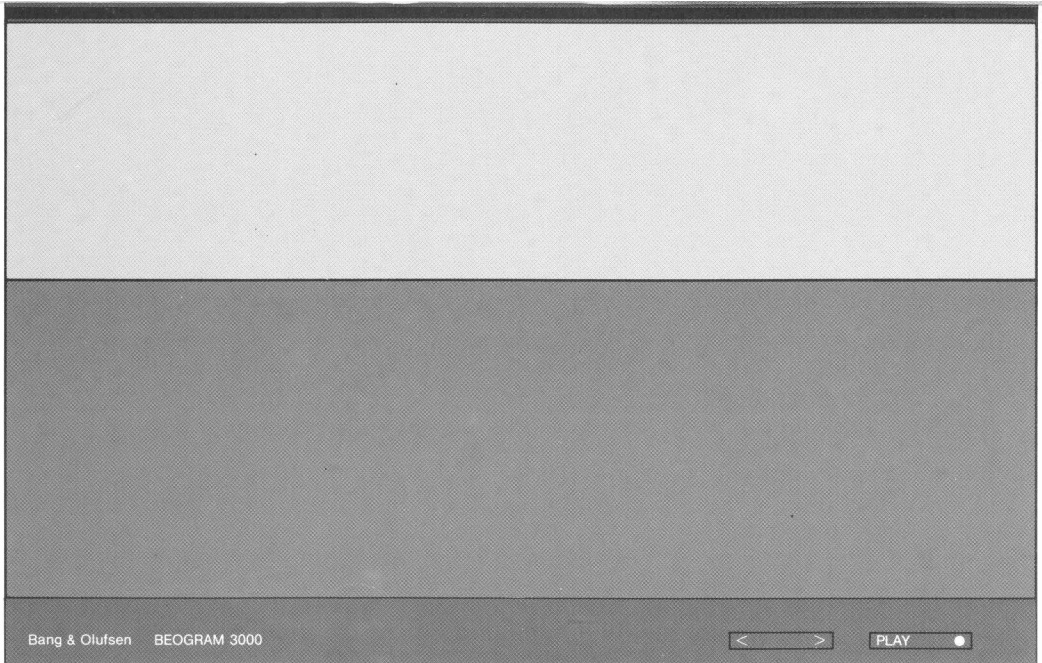
Bang & Olufsen BEOGRAM 3000
PLAY

BEOGRAM 3000

User's Guide for record player

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2. Setting up
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4. Cleaning record before play
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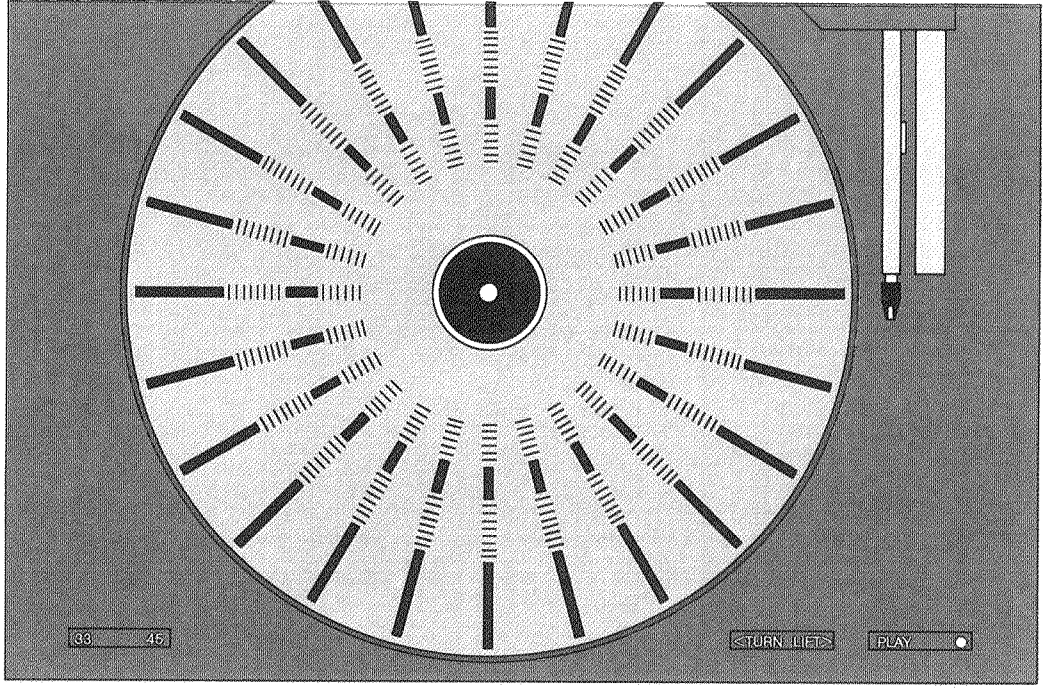

33
45
<TURN LIFT>
PLAY

Congratulations

We congratulate you on your purchase of the Beogram 3000, which is one of the components of the Beosystem 3000, a Bang & Olufsen one-touch hi-fi system. The other components in the Beosystem 3000 are the Beomaster 3000, the Terminal 3000 (a remote-control unit), and the Beocord 2000.

Like the other components in the Beosystem 3000, the Beogram 3000 is fitted with the Bang & Olufsen Datalink system. This means that within the Beosystem 3000 you can switch from one source to the other, e.g. from listening to a record to playing a tape or the radio, just with one single touch. If you connect your Beogram to another Beomaster with Datalink, you will of course have the same benefits.

If you connect the Beogram to a receiver or an amplifier with a 5-pin DIN socket, you must first remove the two pins with grooves in the 7-pin DIN plug attached to the Beogram.

How to use this guide

Hold the booklet in one hand. Use your index finger to keep the flap open, or let the booklet lie open on a flat surface. In this way, you will always be seeing the drawing of the Beogram's operation facilities and the Table of Contents. The Table of Contents lists activities you may want to carry out. We recommend you start from no. 1 and go through the instructions in numerical order. It won't take long and is a good way of getting to know all the functions. Afterwards, if in doubt about something, you only have to glance at the Table of Contents to know where to find an answer to your questions.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent fire or electric shock, do not expose this appliance to rain or moisture.

This symbol indicates that a dangerous voltage constituting a risk of electric shock is present within this unit.

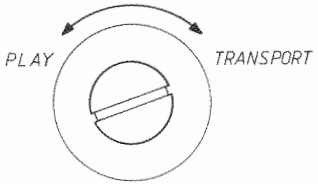
This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

1 Placing the Beogram

Position your Beogram record player horizontally on a flat, stable surface or on the WBBG 30, a special Bang & Olufsen bracket for hanging the Beogram on the wall (optional accessory, see cover illustration). It must be well away from sun-filled windows, and direct heat from fireplaces and radiators.

The Beogram should be close to, and not further than 1 metre away from the receiver it is connected to.

Leave at least 30 cm of free space above the record player to be able to open the dust cover all the way up.



2 Setting up

The Beogram is provided with so-called transport screws in order to protect it against damage during transport. After unpacking the Beogram you have to loosen these screws before you can play a record.

The three transport screws are accessible from the bottom of the Beogram and can be loosened with a screwdriver or a coin.

Place the Beogram on a table and loosen the transport screws one by one, letting the Beogram stand out beyond the edge of the table and turning it to gain access to each of the three transport screws. Turn each screw anti-clockwise (note the drawing next to each screw indicating the transport and play positions) until it comes loose (several turns).

You do not have to worry about unscrewing the screws completely - they cannot come off.

Now carefully remove the two pieces of foam rubber protecting the tonearm. Make sure to remove the foam rubber from the left so that you avoid touching the stylus.

Place the turntable platter on the turntable platform. If the turntable can now move freely with a kind of springy movement, the Beogram is ready for playing.

Remember to raise the stylus guard on the cartridge before playing a record.

Whenever you have to transport your Beogram, we strongly recommend that you remove the turntable platter, tighten the transport screws and pack the Beogram in its original packing.

3 Adjusting stylus pressure

The stylus pressure must be adjusted to match the Bang & Olufsen MMC cartridge fitted on the Beogram. The stylus pressure can be read on the righthand side of the tonearm on a scale from 1.8 to 0.8 grammes. Set the slider with the red marker in the position required for your cartridge (see the table below):

Recommended stylus pressure:

MMC 1	1.0
MMC 2	1.0
MMC 3	1.2
MMC 4	1.2
MMC 5	1.5

If you want to check the stylus pressure, you can do so by using a stylus pressure gauge. Place the gauge underneath the stylus and keep pressing down [LIFT>] for more than two seconds. The tonearm will rest on the gauge, and the pressure can be read on the gauge.

4 Cleaning the record before play

A record should be cleaned before play in order to remove any dust.

Holding the rim of the record with both hands carefully place it on the platter. Press [<TURN]. The turntable starts rotating and the tonearm moves towards the lead-in groove of the record. While the turntable is rotating the tonearm will be hovering just above the first track of the record.

You can now clean the record using a good record cleaner according to the instructions of the manufacturer. Make sure that the stylus guard is raised and press [PLAY]. The record will be played and you can close the dust cover.

5 Start playing a record

Carefully place the record on the platter holding the rim of the record with both hands. Press [PLAY].

The record player automatically registers the size of the record and determines the speed at which the record is to be played. You can check the speed on the indicator arm next to the tonearm - either 33 or 45 will be displayed.

The turntable starts rotating and the tonearm automatically lowers the stylus into the lead-in groove of the record.

If your Beogram is connected to a Beomaster 3000 or another Beomaster with Datalink, the record will be played immediately.

If the Beogram is connected to an amplifier or receiver not provided with Datalink, e.g. of makes other than Bang & Olufsen, you first have to switch on that receiver or amplifier and select record player as input.

At the end of the record the tonearm automatically returns to its resting position and the Beogram goes into stand-by mode.

6 Setting speed manually

If you want to play a maxi-single record, i.e. a record of LP-size but requiring 45 rpm, you have to order the Beogram to play the record at the right speed.
Put the record on the platter, press [PLAY] and then [45] to the left on the Beogram. The record will now be played at the right speed. You can check the speed on the indicator arm next to the tonearm - 45 should be displayed.

If you want to play a single requiring 33 rpm, you also have to order the Beogram to play the record at the right speed.
Put the record on the platter, press [PLAY] and then [33] to the left on the Beogram. The record will now be played at the right speed. You can check the speed on the indicator arm next to the tonearm - 33 should be displayed.

7 Pause during play

You can make a pause while playing a record without having to stop the Beogram. Just press [LIFT>] and the tonearm will lift off the record and be hovering above the groove where it was lifted. The turntable will still be rotating and to resume playing the record you just have to press [PLAY] again.

The Beogram automatically goes into stand-by after a pause of 7 minutes. This is your guarantee that the Beogram cannot be left rotating for many hours on end with you forgetting everything about it.

8 Moving to another track

While playing a record you may want to listen to a track further ahead or back on the record. Just press [<TURN] and the tonearm will lift off the record. While pressing [<TURN] you can steer the tonearm across the record towards the middle. When reaching the beginning of the track you want press [PLAY] again and the Beogram will start playing.

If you want to listen to a track further back on the record, you press [LIFT>] and the tonearm lifts off the record. While pressing [LIFT>] you can steer the tonearm towards the beginning of the record. When reaching the beginning of the track you want press [PLAY] again and the Beogram will start playing.

Note the tiny beam of light during these functions. It is there to help you locate the tracks on the record.

9 Stop play

If you want to stop playing a record before the end of the record, press [●]. The tonearm will lift automatically and return to its resting position and the Beogram will go into stand-by mode.

If the Beogram is connected to the Beomaster 3000 or another Beomaster with Datalink, you can switch off the whole system by pressing [●] for more than two seconds.

10 Repeating a record

If you press [PLAY] again while playing a record, the record will be repeated the number of times you press [PLAY] (max. 7 times). At the end of the last track, the tonearm will automatically return to the start of the record and play the record again. The display on the indicator arm (33 or 45) will blink to indicate that the record will be repeated.

11 Operating with dust cover closed

Operating with the dust cover closed is the best way of preventing dust from gathering on the record. Once you have placed the record on the platter, you close the dust cover and proceed to play the record.

Press [PLAY] to start playing the record, and press [●] to stop playing. [<] and [>] are used to make the turntable rotate, lift the tonearm and move it across the record to find a certain track (see 8). Their functions are identical to the buttons [<TURN], [LIFT>], [PLAY] and [●] under the dust cover.

If you want to set the speed manually (cf. 6), you have to start playing the record before closing the dust cover.

12 Cleaning the stylus

Fluff and dust can build up on the tip of the stylus and cause distortion during play. The stylus should therefore be cleaned every now and then to remove such fluff and dust.

Using the little brush supplied, make three or four gentle sweeping strokes FROM THE BACK of the cartridge towards the front.

We recommend you avoid using any chemical fluids to clean the stylus.

13 Cleaning the record player

The turntable platter and the chassis can be wiped with a dry cloth. Grease stains, if any, can be removed with a firmly wrung cloth dipped in a detergent solution. Mind the stylus and be careful not to wet the cartridge.

We recommend window cleaner for cleaning the dust cover.

Note: Never use denatured alcohol to clean any parts of the record player.

14 How to handle records

Records should be treated with great care to ensure optimum sound reproduction and a long life.

What can you do to treat the records properly!

- Always keep the records in their proper covers.
- Always keep the records in an upright position away from heat.
- Never place a record on top of an apparatus that gets warm, e.g. the Beomaster.
- Never touch the playing surface of a record with your fingers.
- Always avoid rubbing the record too much against the record sleeve (to avoid static electricity).
- Always hold only the rim of the record and touch only the record label with you fingers.

* [33 45], combined button for setting speed manually (see 6). Speed can be set by pressing [PLAY] and then [33] (or [45]). You can also set the speed by pressing [33] (or [45]) and then [PLAY]. In that case [PLAY] should be pressed within 7 seconds after pressing [33] (or [34]) in order for the speed request to be remembered.

* [<TURN LIFT>], combined button for making the turntable turn, checking stylus pressure, lifting the tonearm and moving it across the record (see 3, 4 and 8). A rapid pressure on [LIFT>] from stand-by switches on the light for about 7 seconds.

* [PLAY ●], combined button for playing, stopping and repeating a record, also accessible with dust cover closed (see 5, 9 and 10). Requests for repetition can be cancelled by pressing down [PLAY] for about 2 seconds.

* [< >], combined button accessible with dust cover closed, for lifting the tonearm and moving it across the record (see 8 and 11).

* **Beosystem 3000**, corporate name for the following Bang & Olufsen products designed to work together as a complete system:
Beomaster 3000, Terminal 3000, Beogram 3000 and Beocord 2000. All the components in the Beosystem 3000 are fitted with the Bang & Olufsen Datalink system.

* **WBBG 30**, a specially designed Bang & Olufsen wall bracket for hanging the Beogram 3000 on the wall.

* **Tonearm**, that part of the Beogram on which the pickup cartridge is fitted.

* **Indicator arm**, parallel to the tonearm, moves along with the tonearm. The display on the end of the arm indicates the speed at which the record is being played. A blinking display indicates that the record will be repeated automatically.

* **Datalink**, an electronic system built into many Bang & Olufsen products, which allows the individual components to interact by one-touch operation. The Beosystem 3000 incorporates the Datalink system. So do the Beosystems 2000, 5000, 6000 and 8000. Products from these hi-fi systems in any combination therefore offer the convenience of one-touch operation.

16 Technical Specifications

Type No.	5901-5903-5904-5905
Wow and flutter, DIN	<0.06%
Wow and flutter, WRMS	<0.03%
Rumble DIN weighted	>80 dB
Rumble DIN unweighted	>55 dB
Speeds	33-45 rpm.
Speed deviation	<±0.2%
Power supply	Type no. 5901: 220-240 V
	Type no. 5903: 120 V
	Type no. 5904: 110 V
	Type no. 5905: 240 V
Power frequency	50-60 Hz
Power consumption	<10 watts
Dimensions W x H x D	42 x 7.5 x 32.5 cm
Weight	5.3 kg

Subject to change without notice

Guarantee

International guarantee
This Bang & Olufsen product carries a guarantee against defects in workmanship and materials. It is a national guarantee, extended by Bang & Olufsen in the country in which the product was bought. The terms of the guarantee apply principally to the country of purchase but will be met by authorized Bang & Olufsen dealers in other countries.

This apparatus fulfils the conditions stated in the EEC Directive 82/499 concerning radio frequency interference.

For the UK market only.
IMPORTANT
The wires in the mains lead supplied with the Beogram 3000 are coloured in accordance with the following code:
Blue: Neutral
Brown: Live
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.